

## VAT III Workshop Agenda

**Dates:** December 4 to 5, 2002

**Location:** Caribbean Development Bank Conference Centre, Wilkey, St. Michael, Barbados

**Theme:** Coastal Hazards Vulnerability Assessment Methodologies and Their Applications

**Goal:** To increase the awareness, use, and application of vulnerability assessments in the development planning process at the local, regional, subnational, and national levels, and to further develop a network of hazard management professionals to share information.

**Objectives:**

- Add to the guidance about vulnerability assessments on the Vulnerability Assessment Techniques and Applications Web site, including the identification of vulnerability assessment methodologies, their strengths and weaknesses, and future research needs.
- Identify end-user needs related to small- and large-scale vulnerability assessments for differing purposes generated from one or more natural hazards. These needs will include the identification of the primary vulnerability assessment customers and their specific needs and motivations for using vulnerability assessments, opportunities for incorporating vulnerability assessments into land use planning and economic development decision-making processes, issues that prevent use of vulnerability assessments and strategies to overcome these issues, and ways to promote vulnerability assessment application.
- Begin developing strategies and action plans to broaden the use of vulnerability information.

**Organizers:**

[Caribbean Development Bank \(CDB\)](http://www.caribank.org/) ([www.caribank.org/](http://www.caribank.org/))

[Organization of American States Unit for Sustainable Development and Environment \(OAS\)](http://www.oas.org/usde/) ([www.oas.org/usde/](http://www.oas.org/usde/))

[National Oceanic and Atmospheric Administration \(NOAA\) Coastal Services Center](http://www.csc.noaa.gov) ([www.csc.noaa.gov](http://www.csc.noaa.gov))

## **Day 1 December 4, 2002**

8:30 - 9:15 a.m Opening Ceremony

9:15 - 9:20 Break

9:20 - 9:45 Self-Introduction of Participants

9:45 - 10:00 Introduction to Workshop Agenda

10:00 - 10:20 Break and Poster Session

10:20 - 12:00

### **Session 1: Presentations and Panel Discussion**

National Vulnerability Assessment Methodologies

Moderator: TBA

#### **Presentations:**

1. Integrated Vulnerability Assessment of Montserrat  
David Smith, Smith Warner International, Jamaica
2. National Assessment of Coastal Vulnerability to Sea-Level Rise  
Erika S. Hammer-Klose, United States Geological Survey (USGS), Woods Hole, Massachusetts, USA
3. A Real Time Application of the TAOS Model - Hurricane Luis 1995  
Horace Burton, Caribbean Institute of Meteorology and Hydrology, Barbados
4. Coastal Vulnerability Assessment of Two Caribbean Islands  
Rawleston Moore, Mainstreaming Adaptation to Climate Change Project, Barbados Panel

Panel Discussion: 30 minutes

12:00 - 1:00 Lunch and Poster Session

1:00 - 2:40

### **Session 2: Presentations and Panel Discussion**

Subnational and Community Vulnerability Assessment Methodologies

Moderator: Jan Vermeiren, Organization of American States

**Presentations:**

1. Development of New Mathematical Models for Assessment of Damage in Vulnerable Communities Affected for the Action of Natural Hazards  
Oscar M. Barajas, Colombian Red Cross, Bogotá, Colombia
2. Integrated Vulnerability Assessment with Pre- and Post-Disaster Recovery Planning Efforts  
Pieter De Jong , URS Corporation, Maryland, USA
3. Comparative Vulnerability Indicators for Urban Areas  
Bryan Boruff, Department of Geography, University of South Carolina Columbia, South Carolina, USA

Panel Discussion: 30 minutes

2:40 - 3:00 Break and Poster Session

3:00 - 4:40

**Session 3: Presentations and Panel Discussion**

Community Vulnerability Assessment Methodologies

Moderator: Nate Wood, USGS

**Presentations:**

1. Use of CDCM-TAOS in the Vulnerability Assessment of Sea Defenses  
Raymond Charles, University of the West Indies, Trinidad
2. Sustainable Communities: Understanding Regional Hazards  
John Pine, Louisiana State University, Baton Rouge, Louisiana, USA
3. Portfolio Approach to Natural Hazard Mitigation Policy: Santa Cruz, California  
Richard Bernknopf, Western Geographic Science Center, USGS, Menlo Park, California, USA

Panel Discussion: 30 minutes

4:45 Adjourn

7:00 p.m. Reception

## **December 5, 2002**

8:30 - 8:40 a.m. Introduction

8:40 - 10:20

### **Session 4: Presentations and Panel Discussion**

Structural Vulnerability Assessment Methodologies

Moderator: TBA

#### **Presentations:**

1. Hurricane Mitigation Study for General Services Administration  
Bill Coulbourne, Gaithersburg, Maryland, USA
2. A Rational Approach to Determining Priorities for Retrofitting Healthcare Buildings  
Tony Gibbs, Consulting Engineers Partnership Ltd, Barbados
3. Seismic Vulnerability Assessment of Schools In Bogotá, Colombia  
Herbert Ramírez, P&D, Proyectos y Diseños Ltda. (Projects and Designs Ltd), Bogotá, Colombia

Panel Discussion: 30 minutes

10:20 - 10:40 Break and Poster Session

10:40 - 11:45

### **Session 5: Working Group**

Vulnerability Assessment Strengths and Weaknesses and Future Research Needs

Moderator: NOAA Coastal Services Center

11:45 - 12:45 Lunch

12:45 - 2:15

### **Session 6: Working Group**

End-user Needs and Strategies and Opportunities to Broaden the Use of Vulnerability Assessment Information

Moderator: Caribbean Development Bank

2:15 - 2:35 Break

2:35 - 4:05

**Session 7: Working Group**

Developing Strategies and a General Action Plan to Broaden the Use of Vulnerability Assessment Information

Moderator: Jan Vermeiren, Organization of American States

**4:05 - 5:30 Summary, Commitment, and Conclusions**

- CDB, OAS, and CSC presents three summaries on the key points from the three working sessions.
- Audience provides feedback.
- Group attains commitments to further the development of the strategies and action plans and establish a timeframe for doing so.